

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** October 7, 2004

**Inspector:** Diana Walden

**Location:** Norwalk Substation Expansion

**Storm/  
Rain Event** The area received only traces of rain since the previous inspection.

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>
Access Roads	<ul style="list-style-type: none"> <li>-Access roads are completely accessible. 10/07/04</li> <li>-New Canaan Avenue is still free of tracked sediment from the Norwalk site. 10/07/04</li> <li>- The area between the retaining walls #2 and3 is being brought to grade and will serve as access. 10/07/04</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time. Continue to monitor. 10/07/04</li> <li>- None at this time. Continue to monitor. 10/07/04</li> <li>- Soil is being moved in here but it is all well contained. 10/07/04</li> </ul>
Foundation construction	<ul style="list-style-type: none"> <li>- Work is continuing on areas of perimeter fence around the site. One spot near the route 7 ramp has active excavation and a small stockpile but is well contained. 10/07/04</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time. 10/07/04</li> </ul>
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> <li>- The silt fence can be removed from most areas where vegetative cover is sufficient. It should remain at the ends of the overflow channel where vegetative has not fully established. 10/07/04</li> <li>- One spot of fence near wall #5 could use reinforcement or repair as it is under strain from sedimentation 9/23-10/07/04</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to be proactive in silt fence repair and maintenance where needed. Fence can be removed from areas with sufficient cover.</li> </ul>

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls continued	- The entire length of the bike path on site was paved during the week and it is in very good shape. It stretches from New Canaan Ave to the northern end of the yard. 10/07/04	- None at this time. 10/07/04
	- The topsoil stockpile remains well contained along the retaining wall and portions have been used on site. 9/23-10/07/04	- The pile will continue to be used where necessary in areas to be grassed in the future. 6/30-10/07/04
	-The overflow channel was repaired as best as practicable and reseeded following the second storm. A small amount of grass growth had occurred in some areas. 10/07/04 - Some areas adjacent to the channel have fairly sparse cover 8/12-10/07-04	- Best efforts should be made to get as much vegetative cover as possible at this time of year. Straw mulch should be used to encourage growth. 10/07/04
	-Some slight scour has occurred at the base of the silt fence where the topsoil had washed away and exposed the cobbles near the southern end of retaining wall #5. 10/07/04	- Placing additional cobbles here at the base of slope may help reduce undercuts to the slope. 10/07/04
Inland Wetland and Watercourse encroachment and mitigation	- Most areas have sufficient vegetative cover but a few areas remain sparse. The areas adjacent to and within the channel especially need stabilizing cover. 9/23-10/07/04	- Continue to monitor silt fence and repair as necessary, especially in the portions closest to the river. Fence could be removed from areas with sufficient cover. 10/07/04
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-There should be no need for further clearing for most of the site. Landscaping is planned for along the bike path and native species are to be used. 10/07/04	- Focus should be on trying to get sparsely vegetated areas to get sufficient growth before the winter. 10/07/04
Dewatering	- Dewatering activities are complete at this time.	-No actions required at this time.

Areas of Inspection	Observation	Recommended Action
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills	- There were no spills reported during the week.	<p>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Additional Observations	<p>- As previously noted, new road work, has been identified on the bridge on Broad Street to the north. 9/10-10/07/04</p> <p>- The island or bank on which the bridge footing was located is mostly bare of vegetation.</p>	- The work is unrelated to the Norwalk substation but should be noted as it is occurring in the adjacent area and could be a potential off-site sedimentation source. 9/10-10/07/04

**Next likely scheduled inspection:**

Thursday October 14, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

Diana Walden

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**Date:** October 7, 2004

**Inspector:** Diana Walden

**Location:** Plumtree Substation Expansion , Bethel

**Storm/  
Rain Event** The area received only traces of rain since the previous inspection

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>
Access Roads	- No new access roads have been constructed at this time 10/07/04	- None at this time. 10/07/04
Foundation construction	-The GIS slab work is ongoing with grading and some new footings/structures. 10/07/04  - Soil is being actively hauled off site at this time. Remaining excavate is being combined into stockpiles for backfill and covered. 9/16-10/07/04	- The areas are drying out and are still well contained at this time. 10/07/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The site was drying out and there was no evidence of any runoff or soil migration from the site. 10/07/04	- None at this time 10/07/04
	- There is no silt fence in place at this time, however most stockpiles are covered in plastic and no sedimentation has occurred. 9/16-10/07/04	-All areas are well-contained and there is no sedimentation near any off site areas. 10/07/04 - Continue to be proactive in plastic placement and maintenance. 10/07/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls continued	- The stone perimeter berm is well in place and contains the yard. It prevented any turbid water from leaving the site during either of the two large storms. 9/30-10/0/04	- The berm is working well at this time. Continue to monitor for any trouble spots. 10/07/04
	- The concrete washout station is in use when any pouring occurs on site. 10/07/04	- The main objective is to keep all washout water from storm drains and resource areas. 10/07/04
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. Work is closer to the perimeter fence than before but there is no noted sedimentation to the wetland area. 9/10-10/07/04	- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge, even with the recent high rain levels 9/23-10/07/04
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Dewatering activities have continued in order to remove standing water from the excavations. 9/23-10/07/04 - The water is being directed to flat, stoned areas within the center of the yard and is being directed away from the stockpiles and excavations. 9/16-10/07/04	- None at this time.
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills	- There were no spills reported during the week or noted on site during the	- The contractors should remain vigilant about securing and handling fuel containers.

Areas of Inspection	Observation	Recommended Action
	inspection. There are very few pieces of machinery on site at this time. 10/07/04	<ul style="list-style-type: none"> <li>- Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.</li> <li>- Report spills to the office immediately, even if they are being controlled.</li> </ul>
Additional Observations		

**Next likely scheduled inspection:**

Thursday October 14 , 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

Diana Walden





The overflow channel was repaired once again to the extent practicable following the washouts and the area was reseeded. 10/07/04



View of the southern portion of the channel where some repairs had been made following the washouts. Small amounts of revegetation are occurring. 10/07/04





View of work to bring areas to grade at retaining wall #3. Small areas of excavations are also ongoing to install fence around perimeter portions of the yard. 10/07/04



The entire length of the bike path within the work area had been recently paved and looks very good. It stretches from New Canaan Ave to beyond the perimeter fence at the northern portion of the site 10/07/04





The silt fence below retaining wall #5 is showing some signs of scour at its base following the two storms. The soil is washing away slightly exposing the cobbles at the base of slope. Some additional cobbles placed here may help to prevent undercuts to the slope. 10/07/04



Plumtree Substation: View of the excavation for the GIS concrete pad. The area is drying out and minor amounts of dewatering are still taking place. 10/07/04